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BOOK REVIEW

Tissue Culture: Methods and Applications. Paul F. Kruse, Jr., and M. K. Patterson, Jr., eds. Academic Press, New York. 868 pp. \$22.00.

This book describes the uses of tissue culture in a wide variety of disciplines. Entomologists will be particularly interested in Imogene Schneider's chapters, "Dipteran embryos and larvae (Diploid lines)" and "Characteristics of insect cells," E. P. Marks' "Cockroach and grasshopper embryo tissue," and Arthur E. Greene and Jesse Charney's "Invertebrate cell cultures." In addition, such chapters as Leonard Hayflick's "Screening tissue cultures for mycoplasma infections" and Michael F. Barile's "Mycoplasma contamination of cell cultures: Incidence, source, prevention, and problems of elimination" are of pertinent interest to all engaged in attempting to grow insect cells and tissues *in vitro*. More than 100 authors contributed to this volume; it should serve as a reference source for both experts and beginners using tissue culture for years to come. Its usefulness as a guide is enhanced by a detailed author and subject index, totaling 39 pages. Excellent illustrations of cultured cells and karyotypes, as well as of specialized equipment, add to the value of this book.

KARL MARAMOROSCH